IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Scaler
Manufacturer: CYP
Firmware Version: N/A
Model(s): EL-5500

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
2	11/5/2013	1.6.0	3.5.1	Added Volume Discrete and Volume Step
1	10/10/2013	1.6.0	3.5.1	Initial version.

Driver Notes:

Driver has been optimized for Volume.

Control Commands & States:

Audio Mute	On	Off	
Brightness	0 to 60 in steps of 1		
Contrast	0 to 60 in steps of 1		
Executive Mode	On	Off	
Input	HDMI1	HDMI2	HDMI3
	YPbPr	Video	PC1
	PC2	PC3	
Output Resolution	1080i - 50	640x480	800x600
	1024x768	1280x768	1360x768
	1280 x 720	1280x800	1280x1024
	1440x900	1400x1050	1680x1050
	1600x1200	1920x1080	1920x1200
	480p	720p - 60	1080p - 60
	1080i - 60	576p	720p - 50
	1080p - 50		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Status Available:

Audio Mute	On	Off	
Brightness	0 to 60 in steps of 1		
Connection Status	Connected	Disconnected	
Contrast	0 to 60 in steps of 1		
Executive Mode	On	Off	
Input	HDMI1	HDMI2	HDMI3
	YPbPr	Video	PC1
	PC2	PC3	
Output Resolution	1080i - 50	640x480	800x600
	1024x768	1280x768	1360x768
	1280 x 720	1280x800	1280x1024
	1440x900	1400x1050	1680x1050
	1600x1200	1920x1080	1920x1200
	480p	720p - 60	1080p - 60
	1080i - 60	576p	720p - 50
	1080p - 50		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		

MLC60 Series Supported Commands:

Audio Mute	On	Off	
Executive Mode	On	Off	
Input	HDMI1	HDMI2	HDMI3
	YPbPr	Video	PC1
	PC2	PC3	
Output Resolution	1080i - 50	640x480	800x600
	1024x768	1280x768	1360x768
	1280 x 720	1280x800	1280x1024
	1440x900	1400x1050	1680x1050
	1600x1200	1920x1080	1920x1200
	480p	720p - 60	1080p - 60
	1080i - 60	576p	720p - 50
	1080p - 50		
Power Control	On	Off	
Volume (Discrete)	0 to 100 in steps of 1		
Volume (Step)	Up	Down	

Cable and Adapter Requirements:

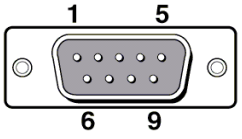
F/M RS232 DB9 Serial Straight cable

Notes for the Device:

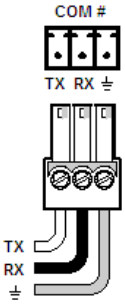
Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

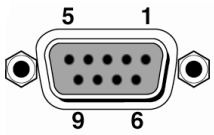
Pin Assignments Diagram:



RS232 DB9 Male IP Link® Device Interface



Signal	Pin	Main Cable	Pin	Signal
RxD	2	←	2	TxD
TxD	3	→	3	RxD
GND	5	—	5	GND



RS232 DB9, Female Scaler

Note: Captive screw connector may also be used as a serial connection.

General Notes: